

(SVHC)

15

LED

SGS

GZP24-033548

2024 10 16

2024 10 16 ~ 2024 10 23

(i) (2024 6 27 REACH) 241
(SVHC)

(i) (2024 8 30 REACH) 6 (SVHC)

(ii) 2 (SVHC)

(iii) REACH) 6 (SVHC) (1907/2006

| | |
|-------|---------------|
| REACH | |
| (w/w) | 241 SVHC 0.1% |

任婷

Annie Ren

scan to see the report



29F96978



(SVHC)

| | | | |
|-------------|------|------------|--|
| REACH 14 | SVHC | 0.1% (w/w) | |
|-------------|------|------------|--|



CANEC24022810802

2024 10 24

3 14

(SVHC)

1.

<http://echa.europa.eu/web/guest/candidate-list-table>

2. REACH

2.1

1907/2006 EC
0.1%

33

57

59



(SVHC)

| ID | | ID | SGS ID |
|-----|--------|----|-------------------------|
| 001 | " LED" | A1 | CAN24-0228108-0001.C001 |

SGS

ICP-OES UV-VIS GC-MS HPLC-DAD/MS



(SVHC)

SVHC

| | | CAS No. | 001 (%) | RL (%) |
|---|------|---------|---------|--------|
| - | SVHC | - | ND | - |

SVHC

| | | CAS No. | 001 (%) | RL (%) |
|---|------|---------|---------|--------|
| / | SVHC | - | ND | - |

- (1) SVHC RL SVHC SVHC
- (2) RL = (RL RL)
- ND = (RL) ND SVHC
- (3) *
- **

ICP-OES

ICP-OES

RL = 0.005% ((VI))

RL= 0.0005% RL=0.0025%() RL=0.050%

(4) § (CAS No.: 90-94-8) (CAS No.: 101-61-1) 0.1%(w / w)

SVHC

(5) / = SVHC

A.

198 ; B.

1501 3 101

ILAC-G8:09/2019

w=0



(SVHC)

SVHC:

| | | | CAS No. | RL (%) |
|----|----|---------------------------------------|--------------------------|--------|
| I | 1 | 4,4'- (MDA) | 101-77-9 | 0.050 |
| I | 2 | 2,4,6- -5- () | 81-15-2 | 0.050 |
| I | 3 | C10-13 () | 85535-84-8 | 0.050 |
| I | 4 | | 120-12-7 | 0.050 |
| I | 5 | (BBP) | 85-68-7 | 0.050 |
| I | 6 | (2-) (DEHP) | 117-81-7 | 0.050 |
| I | 7 | (TBTO) | 56-35-9 | 0.050 |
| I | 8 | * | 7646-79-9 | 0.005 |
| I | 9 | * | 1303-28-2 | 0.005 |
| I | 10 | * | 1327-53-3 | 0.005 |
| I | 11 | (DBP) | 84-74-2 | 0.050 |
| I | 12 | (HBCDD) (- HBCDD, -HBCDD, -HBCDD) | - | 0.050 |
| I | 13 | * | 7784-40-9 | 0.005 |
| I | 14 | * | 10588-01-9 /7789-12-0 | 0.005 |
| I | 15 | * | 15606-95-8 | 0.005 |
| II | 16 | 2,4- | 121-14-2 | 0.050 |
| II | 17 | ** | 90640-80-5 | 0.050 |
| II | 18 | ** | 90640-81-6 | 0.050 |
| II | 19 | ** | 91995-15-2 | 0.050 |
| II | 20 | ** | 91995-17-4 | 0.050 |
| II | 21 | ** | 90640-82-7 | 0.050 |
| II | 22 | | 84-69-5 | 0.050 |



(SVHC)

| | | | CAS No. | RL (%) |
|----|----|----------------------|------------------------|--------|
| IV | 38 | | 109-86-4 | 0.050 |
| IV | 39 | , , * | - | 0.005 |
| IV | 40 | * | 1333-82-0 | 0.005 |
| IV | 41 | * | 513-79-1 | 0.005 |
| IV | 42 | * | 71-48-7 | 0.005 |
| IV | 43 | * | 10141-05-6 | 0.005 |
| IV | 44 | * | 10124-43-3 | 0.005 |
| V | 45 | 1,2,3- | 96-18-4 | 0.050 |
| V | 46 | 1,2- - (C6-8) (C7) | 71888-89-6 | 0.050 |
| V | 47 | 1,2- - (C7-11) () | 68515-42-4 | 0.050 |
| V | 48 | 1- -2- | 872-50-4 | 0.050 |
| V | 49 | | 111-15-9 | 0.050 |
| V | 50 | | 302-01-2 /7803-57-8 | 0.050 |
| V | 51 | * | 7789-06-2 | 0.005 |
| VI | 52 | 1,2- | 107-06-2 | 0.050 |
| VI | 53 | 4,4'- -3,3'- | 101-14-4 | 0.050 |
| VI | 54 | 2- | 90-04-0 | 0.050 |
| VI | 55 | | 140-66-9 | 0.050 |
| VI | 56 | * | - | 0.005 |
| VI | 57 | * | 7778-39-4 | 0.005 |
| VI | 58 | | 111-96-6 | 0.050 |
| VI | 59 | | 117-82-8 | 0.050 |
| VI | 60 | | | |



(SVHC)

| | | | CAS No. | RL (%) |
|------|----|---|-------------|--------|
| VII | 79 | | 75-12-7 | 0.050 |
| VII | 80 | * | 17570-76-2 | 0.005 |
| VII | 81 | N,N,N',N'- 4,4'- () | 101-61-1 | 0.050 |
| VII | 82 | 1,3,5- ()-1,3,5- 2,4,6-(1H, 3H,5H)- (TGIC) | 2451-62-9 | 0.050 |
| VII | 83 | C.I. 4§ | 6786-83-0 | 0.050 |
| VII | 84 | 1,3,5- -[(2S 2R)-2,3-]-1,3,5- 2,4,6-(1H, 3H, 5H)- (-TGIC) | 59653-74-6 | 0.050 |
| VIII | 85 | * | 69011-06-9 | 0.005 |
| VIII | 86 | 1,2- - () | 84777-06-0 | 0.050 |
| VIII | 87 | | 629-14-1 | 0.050 |
| VIII | 88 | 1- | 106-94-5 | 0.050 |
| VIII | 89 | 3- -2- -2-(3-)-1,3- | 143860-04-2 | 0.050 |
| VIII | 90 | | - | 0.050 |
| VIII | 91 | 4,4'- -3,3'- | 838-88-0 | 0.050 |
| VIII | 92 | 4,4'- | 101-80-4 | 0.050 |
| VIII | 93 | 4- | 60-09-3 | 0.050 |
| VIII | 94 | 2,4- | 95-80-7 | 0.050 |
| VIII | 95 | 4- () | - | 0.050 |
| VIII | 96 | 2- -5- | 120-71-8 | |



(SVHC)

| | | | CAS No. | RL (%) |
|------|-----|----------------------------|-------------|--------|
| VIII | 116 | * | 1317-36-8 | 0.005 |
| VIII | 117 | * | 12036-76-9 | 0.005 |
| VIII | 118 | * | 1314-41-6 | 0.005 |
| VIII | 119 | * | 12060-00-3 | 0.005 |
| VIII | 120 | * | 12626-81-2 | 0.005 |
| VIII | 121 | | 625-45-6 | 0.050 |
| VIII | 122 | 1,2- | 75-56-9 | 0.050 |
| VIII | 123 | N,N- | 68-12-2 | 0.050 |
| VIII | 124 | N- | 79-16-3 | 0.050 |
| VIII | 125 | | 776297-69-9 | 0.050 |
| VIII | 126 | - | 97-56-3 | 0.050 |
| VIII | 127 | 2- | 95-53-4 | 0.050 |
| VIII | 128 | | 72629-94-8 | 0.050 |
| VIII | 129 | * | 12065-90-6 | 0.005 |
| VIII | 130 | * | 8012-00-8 | 0.005 |
| VIII | 131 | * | 68784-75-8 | 0.005 |
| VIII | 132 | * | 11120-22-2 | 0.005 |
| VIII | 133 | * | 62229-08-7 | 0.005 |
| VIII | 134 | * | 78-00-2 | 0.005 |
| VIII | 135 | * | 12202-17-4 | 0.005 |
| VIII | 136 | | 307-55-1 | 0.050 |
| VIII | 137 | * | 1319-46-6 | 0.005 |
| VIII | 138 | * | 12141-20-7 | 0.005 |
| IX | 139 | 4- () | - | 0.050 |
| IX | 140 | (APFO)** | 3825-26-1 | 0.050 |
| IX | 141 | * | 1306-19-0 | 0.005 |
| IX | 142 | | 7440-43-9 | 0.005 |
| IX | 143 | (DPP) | 131-18-0 | 0.050 |
| IX | 144 | (PFOA) | 335-67-1 | 0.050 |
| X | 145 | * | 1306-23-6 | 0.005 |
| X | 146 | | 84-75-3 | 0.050 |
| X | 147 | C.I. 28 | 573-58-0 | 0.050 |
| X | 148 | C.I. 38 | 1937-37-7 | 0.050 |
| X | 149 | 2- | 96-45-7 | 0.050 |
| X | 150 | * | 301-04-2 | 0.005 |
| X | 151 | | 25155-23-1 | 0.050 |
| XI | 152 | () | 68515-50-4 | 0.050 |
| XI | 153 | * | 10108-64-2 | 0.005 |
| XI | 154 | * | - | 0.005 |
| XI | 155 | * | 7632-04-4 | 0.005 |
| XII | 156 | 2-(2H- -2-)-4,6- (UV-328) | 25973-55-1 | 0.050 |



(SVHC)

| | | | CAS No. | RL (%) |
|------|-----|--|------------------------|--------|
| XII | 157 | 2- -2- -4,6- (UV-320) | 3846-71-7 | 0.050 |
| XII | 158 | - (2-) (DOTE) | 15571-58-1 | 0.050 |
| XII | 159 | * | 7790-79-6 | 0.005 |
| XII | 160 | * | 10124-36-4 /31119-53-6 | 0.005 |
| XII | 161 | - (2-) (DOTE) - (2-) (MOTE) | - | 0.050 |
| XIII | 162 | 1,2- , (C6-10) / 1,2- , 0.3 | - | 0.050 |
| XIII | 163 | 5- -2-(2,4- -3- -1-)-5- -1,3- [1] 5- -2-(4,6- -3- -1-)-5- -1,3- [2] [[1] [2]] | - | 0.050 |



(SVHC)

| | | | CAS No. | RL (%) |
|-------|-----|---|-------------|--------|
| XIX | 187 | (D6) | 540-97-6 | 0.050 |
| XIX | 188 | (EDA) | 107-15-3 | 0.050 |
| XIX | 189 | | 7439-92-1 | 0.005 |
| XIX | 190 | (D4) | 556-67-2 | 0.050 |
| XIX | 191 | | 61788-32-7 | 0.050 |
| XX | 192 | 1,7,7- -3-() [2.2.1] -2- (3-) | 15087-24-8 | 0.050 |
| XX | 193 | 4,4'-(1,3-) (1,3-DMBBP) | 6807-17-6 | 0.050 |
| XX | 194 | (k) (BkF) | 207-08-9 | 0.050 |
| XX | 195 | (FLT) | 206-44-0 | 0.050 |
| XX | 196 | (PHE) | 85-01-8 | 0.050 |
| XX | 197 | (PYR) | 129-00-0 | 0.050 |
| XXI | 198 | 2,3,3,3- -2-() () (HFPO-DA) | - | 0.050 |
| XXI | 199 | 2- | 110-49-6 | 0.050 |
| XXI | 200 | 4- (PTBP) | 98-54-4 | 0.050 |
| XXI | 201 | (4-) (TNPP)(0.1% 4-) | - | 0.050 |
| XXII | 202 | 2- -2- -4'- | 119313-12-1 | 0.050 |
| XXII | 203 | 2- -1-(4-)-2- -1- | 71868-10-5 | 0.050 |
| XXII | 204 | | 71850-09-4 | 0.050 |
| XXII | 205 | | - | 0.050 |
| XXIII | 206 | 1- | 1072-63-5 | 0.050 |
| XXIII | 207 | 2- | 693-98-1 | 0.050 |
| XXIII | 208 | | 94-26-8 | 0.050 |
| XXIII | 209 | () ** | 22673-19-4 | 0.050 |
| XXIV | 210 | | 143-24-8 | 0.050 |
| XXIV | 211 | () ** | - | 0.050 |
| XXV | 212 | 1,4- | 123-91-1 | 0.050 |
| XXV | 213 | (BMP); (TBNPA); 2,3- -1- (2,3-DBPA) | - | 0.050 |
| XXV | 214 | | - | 0.050 |
| XXV | 215 | B | 77-40-7 | 0.050 |
| XXV | 216 | | 111-30-8 | 0.050 |
| XXV | 217 | (MCCP) | - | 0.050 |
| XXV | 218 | * | 13840-56-7 | 0.005 |
| XXV | 219 | (PDDP) | - | 0.050 |
| XXVI | 220 | (±)-1,7,7- -3-[(4-)] [2.2.1] -2- / (4- MBC) | - | 0.050 |
| XXVI | 221 | 2,2'- -(4- -6-) (DBMC) | 119-47-1 | 0.050 |



(SVHC)

| | | | CAS No. | RL (%) |
|--------|-----|---|--------------|--------|
| XXVI | 222 | S-([5.2.1.0'2,6] -3- -8(9)-) O-(2-) O-(2-) | 255881-94-8 | 0.050 |
| XXVI | 223 | - (2-) | 1067-53-4 | 0.050 |
| XXVII | 224 | N- | 924-42-5 | 0.050 |
| XXVIII | 225 | 1,2- (2,4,6-) | 37853-59-1 | 0.050 |
| XXVIII | 226 | A | 79-94-7 | 0.050 |
| XXVIII | 227 | S | 80-09-1 | 0.050 |
| XXVIII | 228 | * | 13701-59-2 | 0.005 |
| XXVIII | 229 | (2-) | - | 0.050 |
| XXVIII | 230 | | 4247-02-3 | 0.050 |
| XXVIII | 231 | | 108-78-1 | 0.050 |
| XXVIII | 232 | | - | 0.050 |
| XXVIII | 233 | * | - | 0.050 |
| XXIX | 234 | (4-) | 80-07-9 | 0.050 |
| XXIX | 235 | (2,4,6-) | 75980-60-8 | 0.050 |
| XXX | 236 | 2,4,6- | 732-26-3 | 0.050 |
| XXX | 237 | 2-(2'- -5'-) (UV-329) | 3147-75-9 | 0.050 |
| XXX | 238 | 2-(4-)-2-()-1-(4-)- 1- (PI-379) | 119344-86-4 | 0.050 |
| XXX | 239 | (UV-326) | 3896-11-5 | 0.050 |
| XXX | 240 | 2- | - | 0.050 |
| XXXI | 241 | | 80-43-3 | 0.050 |
| / | 242 | 6-[(C10-C13)- -(,)-2,5- -1-] | 2156592-54-8 | 0.050 |
| / | 243 | O,O,O- | 597-82-0 | 0.050 |
| / | 244 | | 107-51-7 | 0.050 |
| / | 245 | | 338-83-0 | 0.050 |
| / | 246 | | 192268-65-8 | 0.050 |
| / | 247 | (4-) | - | 0.050 |
| / | 248 | | 115-86- | |



(SVHC)



(SVHC)



SGS

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